

Appendix Test Data

Report No.:	18220WC30091701	Test Sample No.:	1-2-2
Start Test Date:	2023.05.18	Finish Test Date:	2023.05.23
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	23.3°C	Relative Humidity:	48 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.628	2402.288	0.5	PASS
		2440	0.664	2439.632	2440.296	0.5	PASS
		2480	0.668	2479.616	2480.284	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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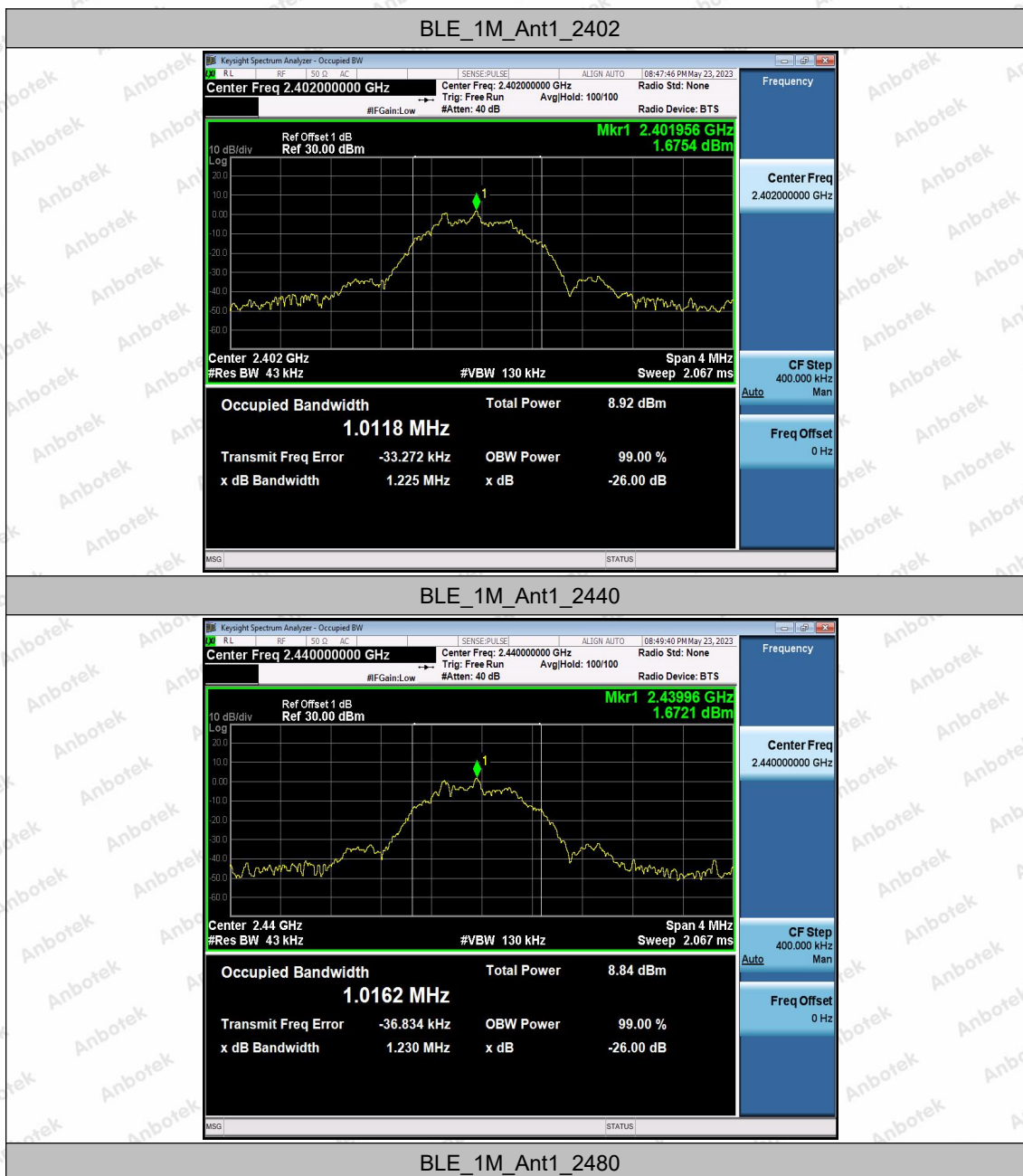
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0118	2401.4608	2402.4726
		2440	1.0162	2439.4551	2440.4713
		2480	1.0046	2479.4583	2480.4629



Test Graphs



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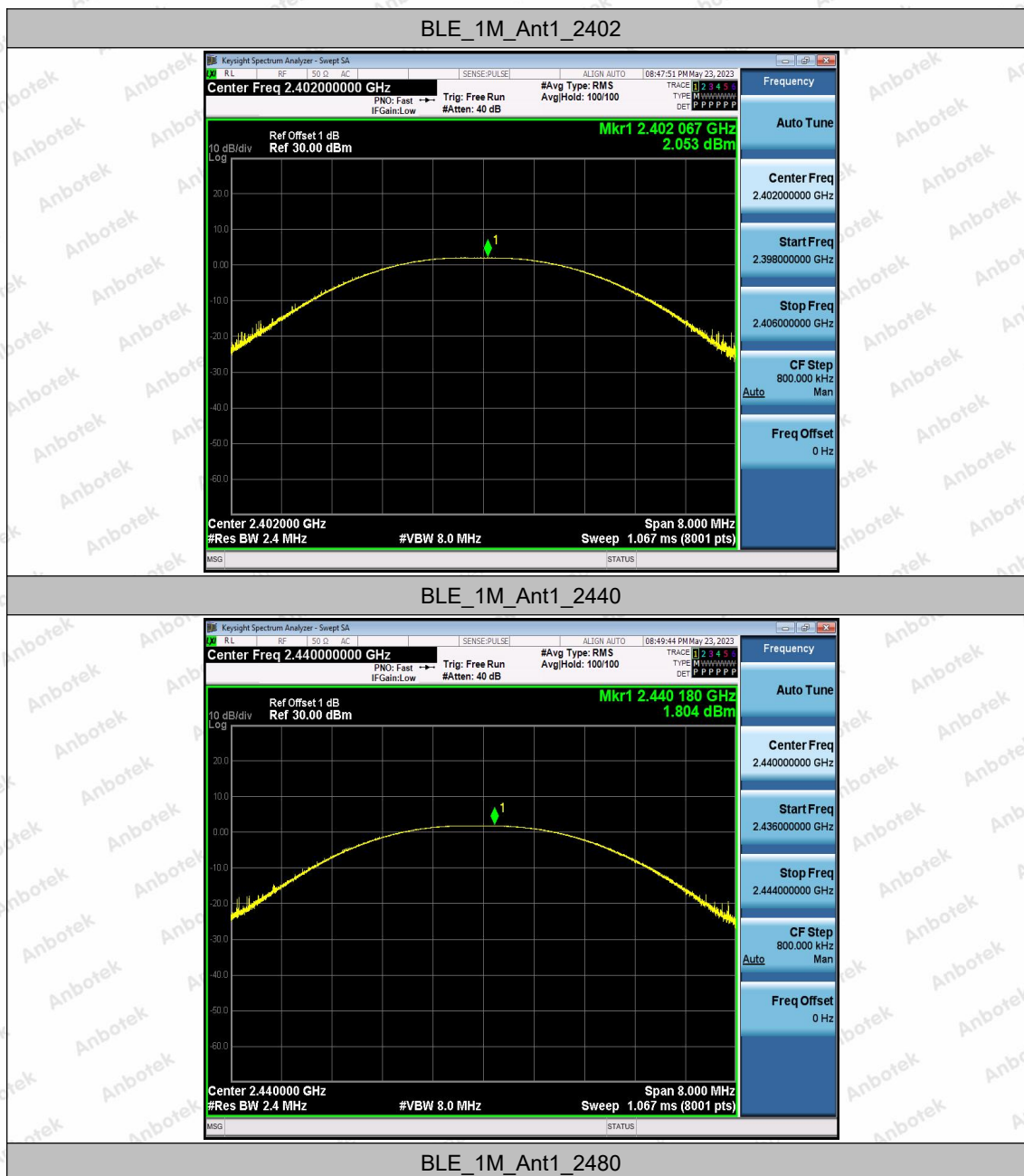
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.05	≤30	PASS
		2440	1.8	≤30	PASS
		2480	1.78	≤30	PASS



Test Graphs Peak



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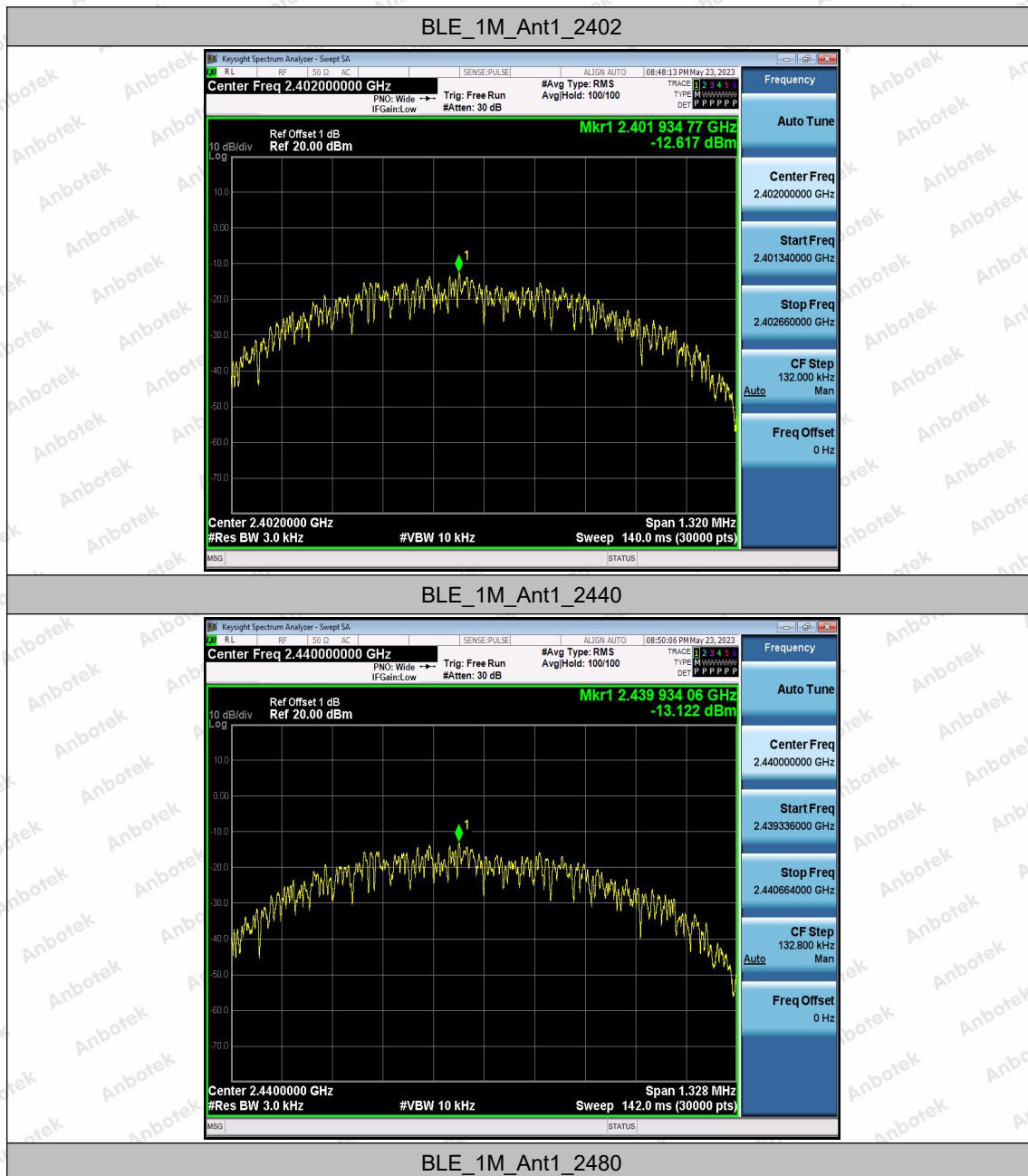
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.62	≤8.00	PASS
		2440	-13.12	≤8.00	PASS
		2480	-13.26	≤8.00	PASS



Test Graphs



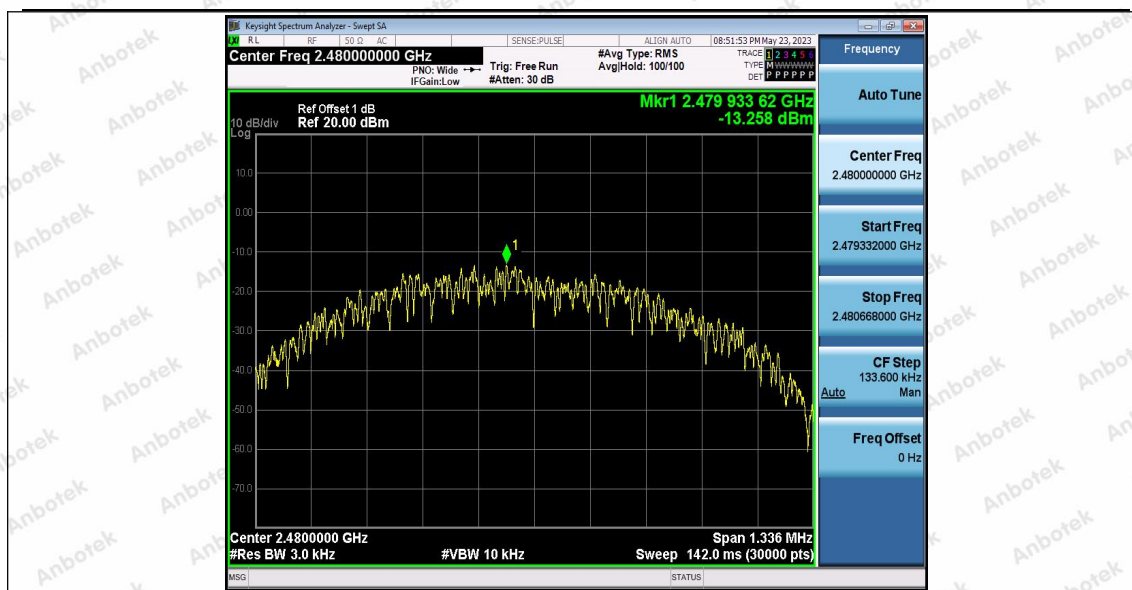
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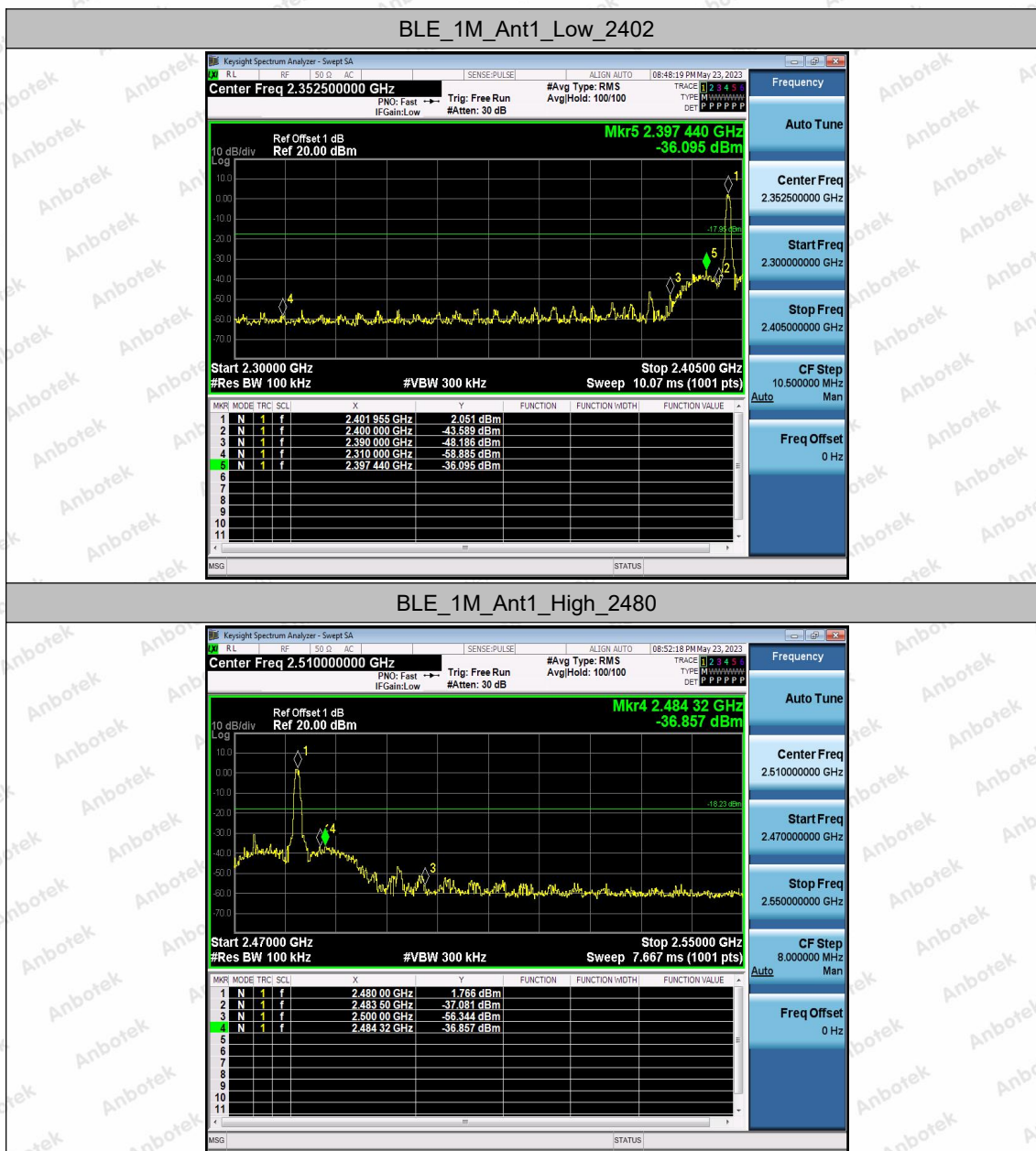
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.05	-36.1	≤-17.95	PASS
		High	2480	1.77	-36.86	≤-18.23	PASS



Test Graphs



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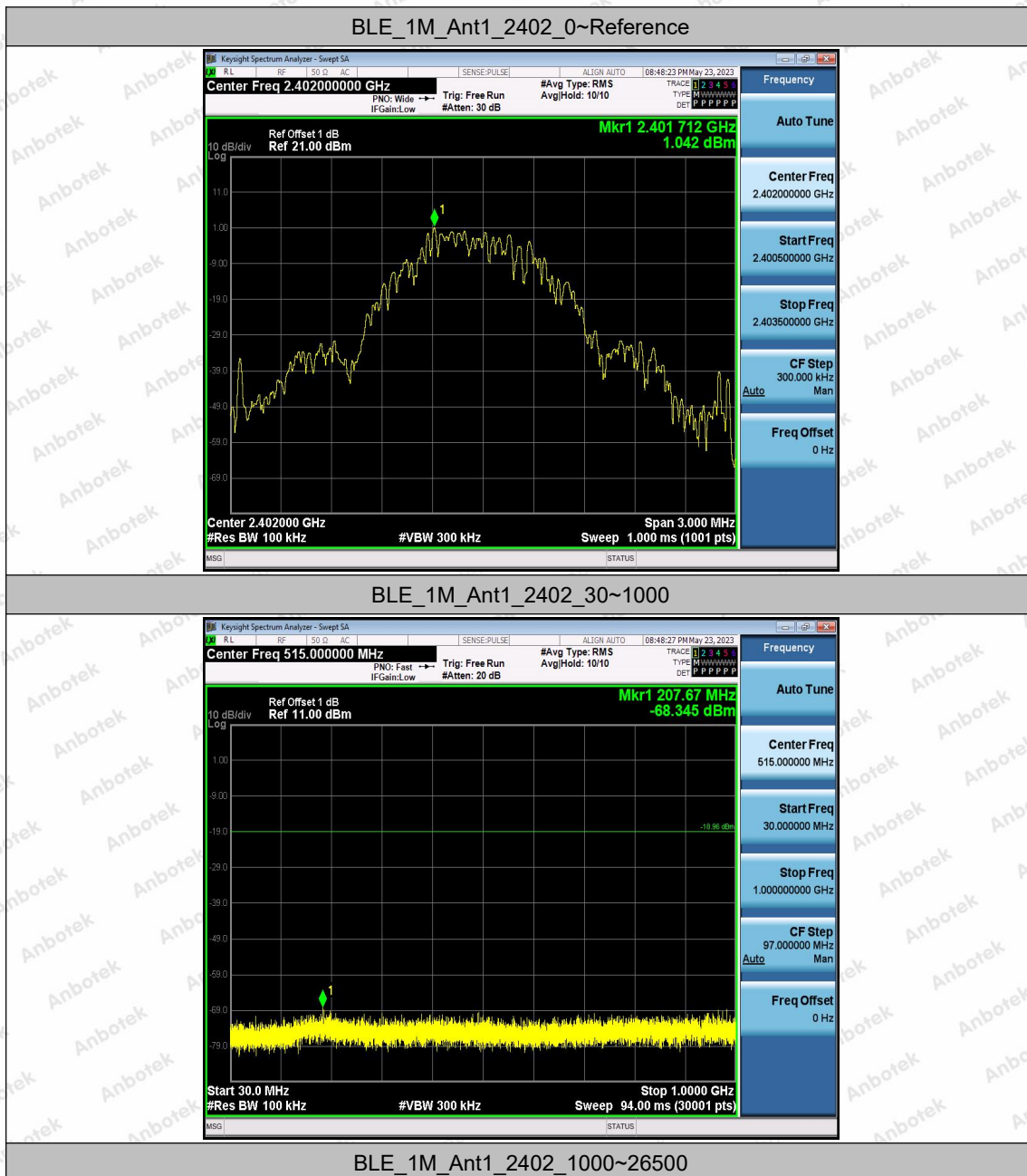
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.04	1.04	---	PASS
			30~1000	1.04	-68.35	≤-18.96	PASS
			1000~26500	1.04	-52.77	≤-18.96	PASS
		2440	Reference	1.28	1.28	---	PASS
			30~1000	1.28	-68.44	≤-18.72	PASS
			1000~26500	1.28	-48.24	≤-18.72	PASS
		2480	Reference	-0.61	-0.61	---	PASS
			30~1000	-0.61	-68.47	≤-20.61	PASS
			1000~26500	-0.61	-49.14	≤-20.61	PASS



Test Graphs



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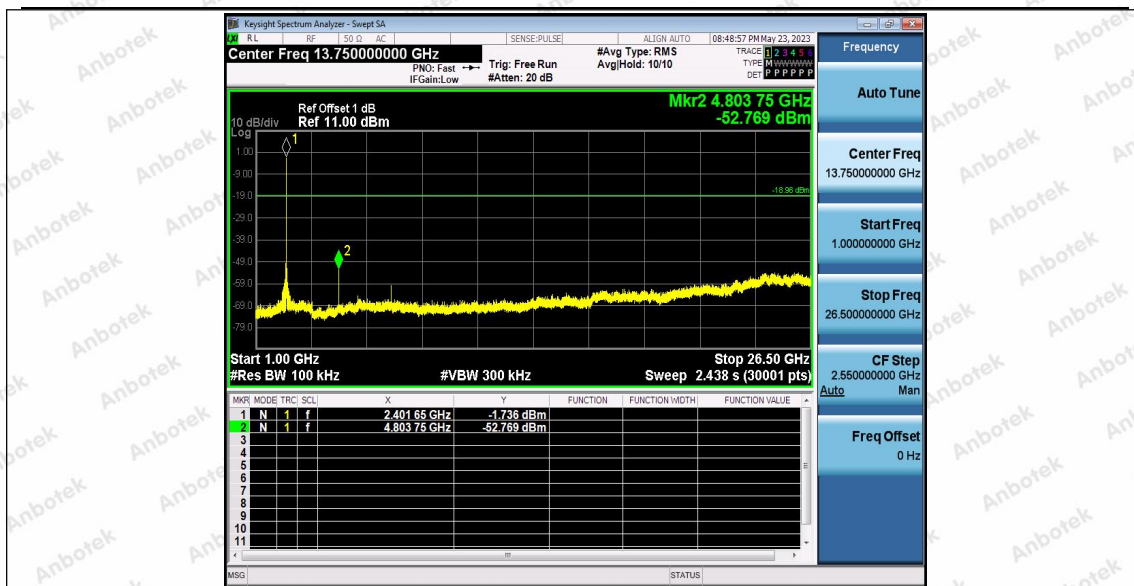


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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

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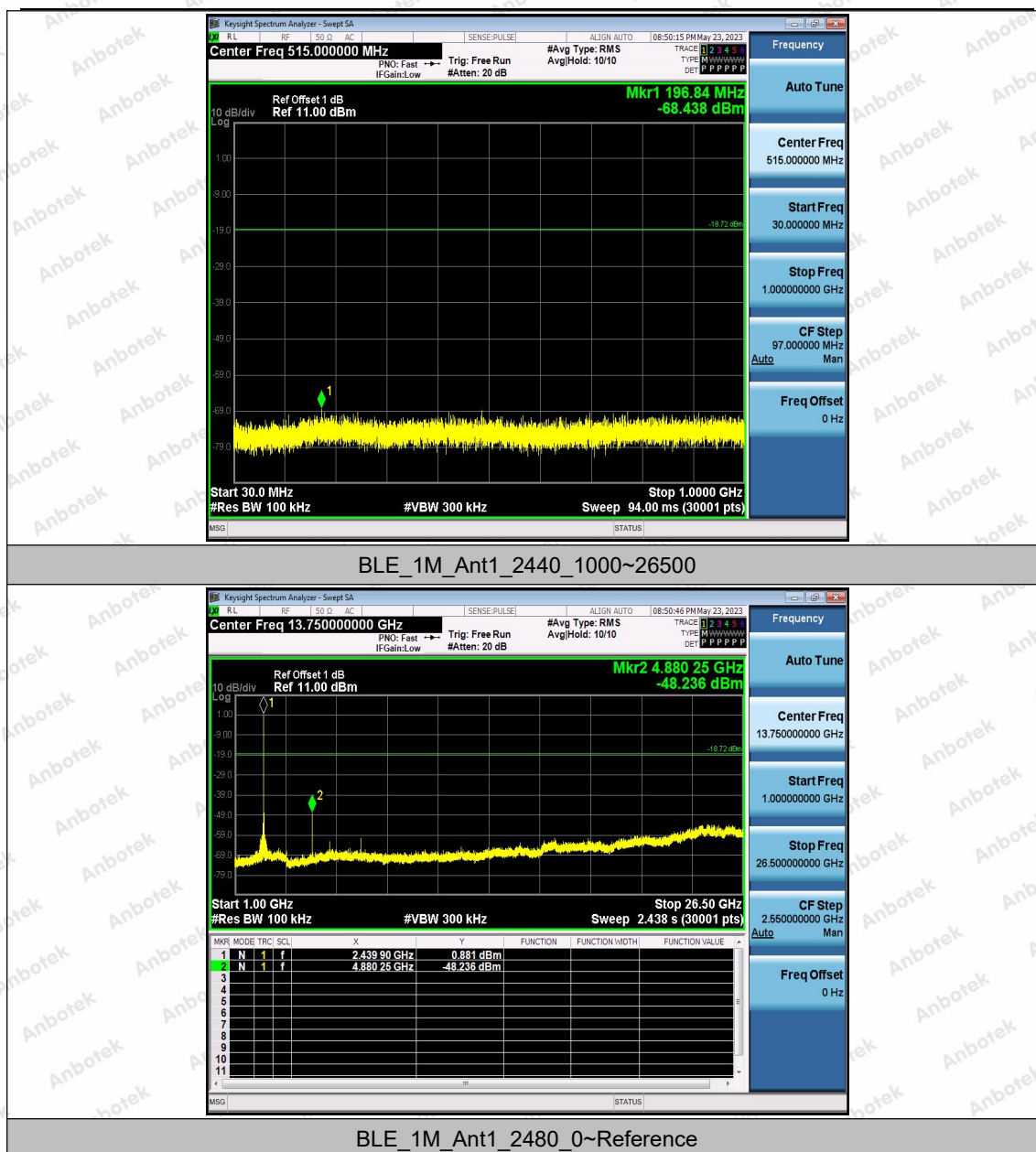


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BLE_1M_Ant1_2440_1000~26500

BLE_1M_Ant1_2480_0~Reference

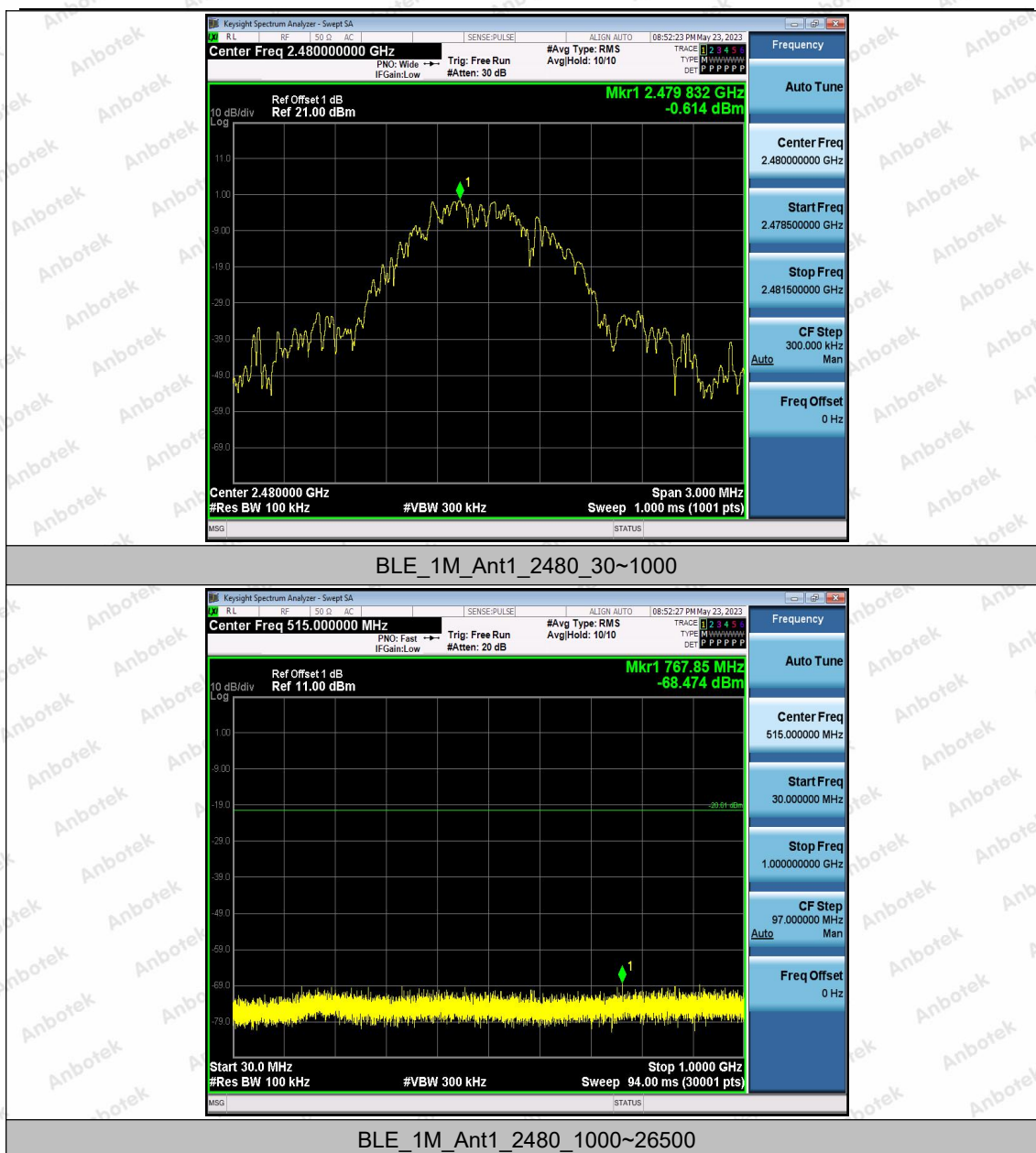
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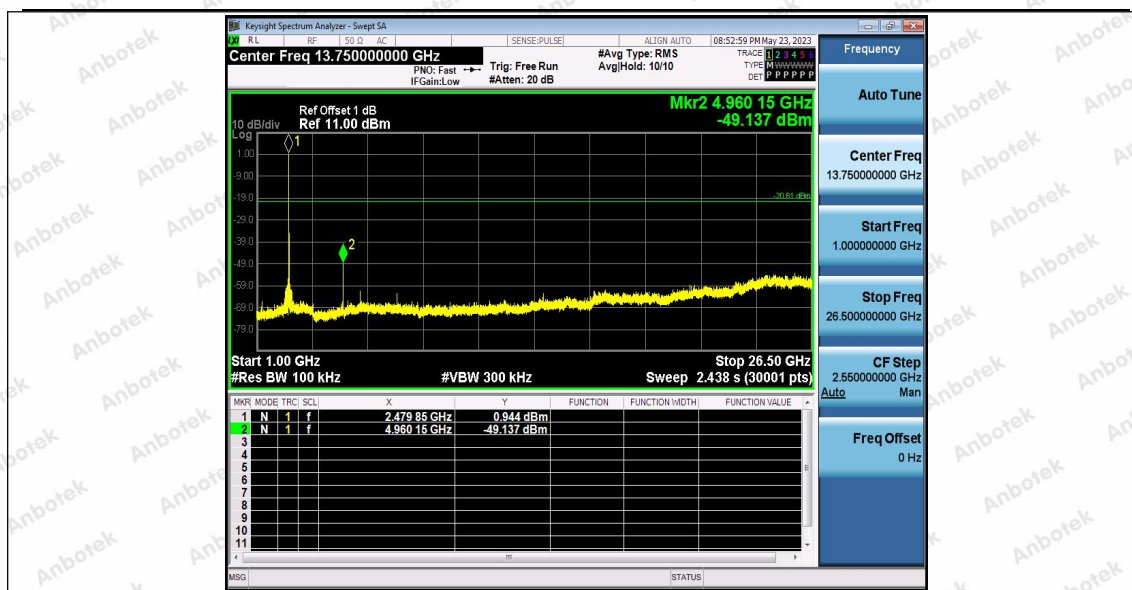
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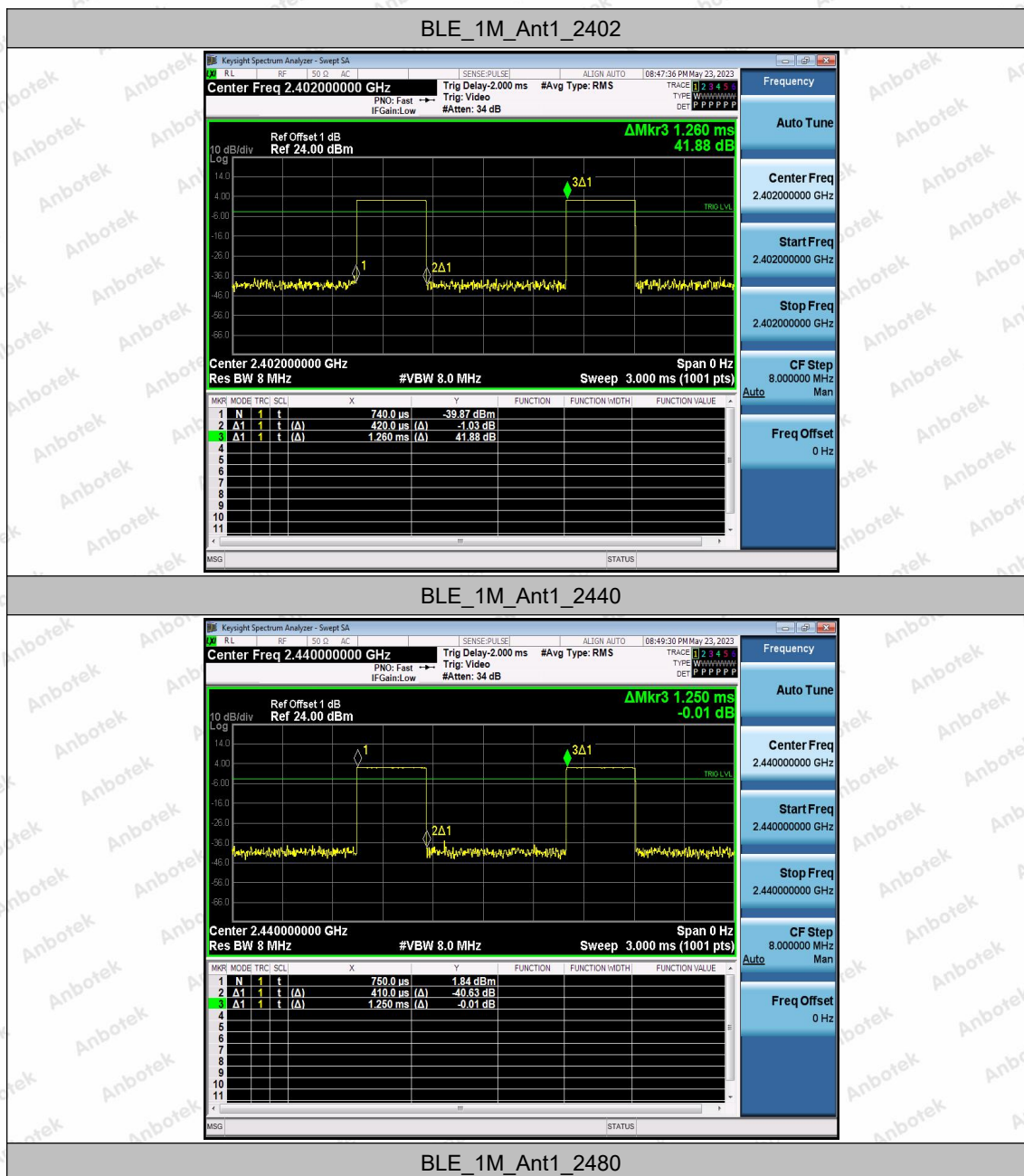
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.42	1.26	33.33	4.77
		2440	0.41	1.25	32.80	4.84
		2480	0.42	1.26	33.33	4.77



Test Graphs



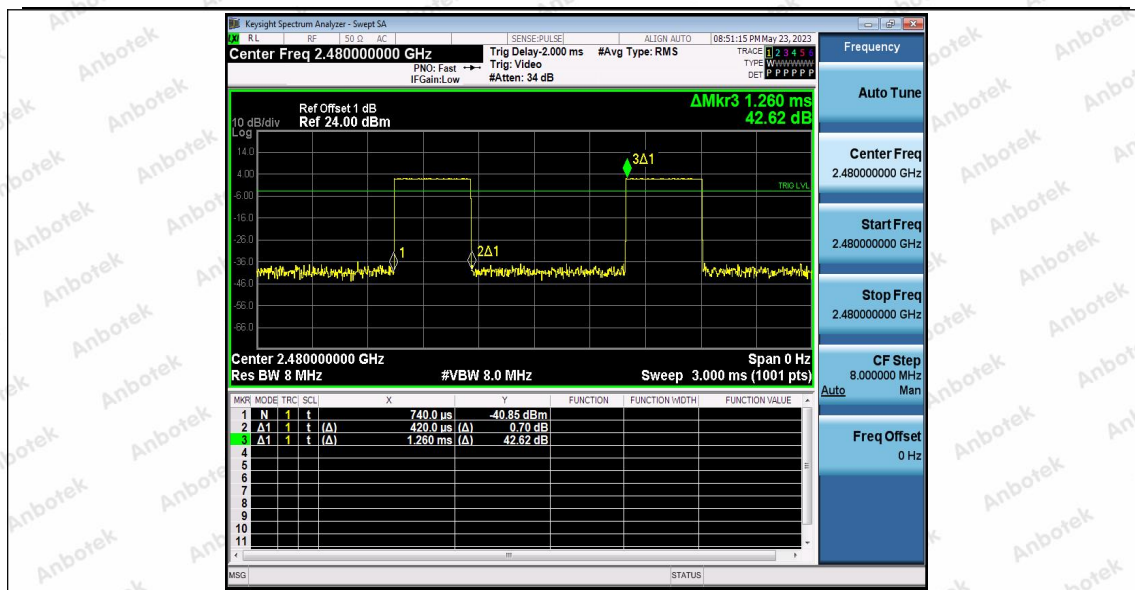
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